



APS NOTES:

1. PUSHBUTTONS ARE TO BE LOCATED SO THAT THEY CAN BE ACTIVATED BY A PERSON IN A WHEELCHAIR REACHING LESS THAN 18" FROM A 60" X 60" LEVEL LANDING AREA WITH A CROSS SLOPE OF LESS THAN OR EQUAL TO 2%.
2. THE 10' MINIMUM SEPARATION BETWEEN PUSHBUTTONS IS TO BE MEASURED FROM FACE OF PUSHBUTTON TO FACE OF PUSHBUTTON, NOT CENTER TO CENTER OF POLE.
3. PUSHBUTTON ARROWS ARE TO BE PARALLEL TO THE CROSSING FOR WHICH THEY ARE INTENDED.
4. LOCATION OF ACCESSIBLE PEDESTRIAN SIGNAL PUSHBUTTONS MUST MEET LOCATION REQUIREMENTS OF MUTCD SEC. 4E.09, SEC. 4E.10, FIG. 4E-3, FIG. 4E-4, AND THE NCHRP PUBLICATION, "ACCESSIBLE PEDESTRIAN SIGNALS: GUIDE TO BEST PRACTICE". IF NOT MET, THE CONTRACTOR IS TO STOP WORK ON PUSHBUTTON LOCATIONS UNTIL A DESIGN WAIVER IS OBTAINED, APPROVED BY THE DIRECTOR, OFFICE OF TRAFFIC AND SAFETY.
5. APS WILL FUNCTION AS FOLLOWS:

TO CROSS HENDERSON CORNER ROAD AT MD 27

- A. WHEN A PEDESTRIAN LOCATES AND PRESSES THE PUSHBUTTON FOR AN EXTENDED TIME, THE PUSHBUTTON UNIT WILL ANNOUNCE THE FOLLOWING MESSAGE:
"WAIT TO CROSS HENDERSON CORNER AT RIDGE, WAIT."
B. WHEN THE "WALK" PHASE BEGINS, THE MESSAGE WILL BE A RAPID TICK, WHICH WILL LAST FOR THE DURATION OF THE "WALK" PHASE.

GEOMETRIC CONSTRUCTION DETAILS:

- A. INSTALL COMBINATION SIDEWALK RAMP (STANDARD NO. MD 655.13) WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- B. INSTALL CUT-THROUGH WALKWAY AS SHOWN WITH A DETECTABLE WARNING SURFACE (STANDARD NO. MD 655.40).
- C. INSTALL STANDARD TYPE A COMBINATION CURB AND GUTTER, 12" GUTTER PAN AND 8" DEPTH (STANDARD NO. MD 620.02) (SLOPE OF CURB TO MATCH SIDEWALK GRADE).
- D. INSTALL STANDARD TYPE A CURB, 8" DEPTH (STANDARD NO. MD 620.02) (ELEVATION OF CURB TO MATCH SIDEWALK GRADE).
- E. BEGIN 12:1 RAMP.
- F. 48:1 LEVEL LANDING AREA.
- G. TIE IN RAMP WITH EXISTING SIDEWALK AT JOINT.
- H. TIE NEW CURB TO EXISTING CURB AT JOINT.
- J. BACKFILL WITH SEED AND MULCH.

GEOMETRIC LEGEND

--- EXISTING
--- PROPOSED

UTILITY LEGEND

SD STORM DRAIN
C GAS MAIN
W WATER MAIN
S SEWER MAIN
E ELECTRIC CABLES
A AERIAL CABLES
T TELEPHONE CABLES
F FIBER-OPTIC CABLES

LEGEND SYMBOL

18" PED POLE FOUNDATION
PROPOSED HANDHOLE
PROPOSED CONDUIT RUN

GEOMETRIC LEGEND

EXISTING SIDEWALK/CURB JOINT (APPROXIMATE)
NEW SIDEWALK AND ADA HANDICAP RAMP
SEED AND MULCH

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DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION
OFFICE OF TRAFFIC & SAFETY
TRAFFIC ENGINEERING DESIGN DIVISION
MD 27 (RIDGE ROAD) AT
HENDERSON CORNER ROAD
GERMANTOWN, MD

GEOMETRIC PLAN SHEET

SCALE 1" = 10' ADVERTISED DATE 03/2013 CONTRACT NO. XY1519185

DESIGNED BY NW COUNTY MONTGOMERY
DRAWN BY NW LOGMILE 15002700.16
CHECKED BY RM TMS NO. L711
F.A.P. NO. TOD NO.

TS NO. 3404-B DRAWING SG-2 OF 2 SHEET NO. 2 OF 3

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